Fig. 1

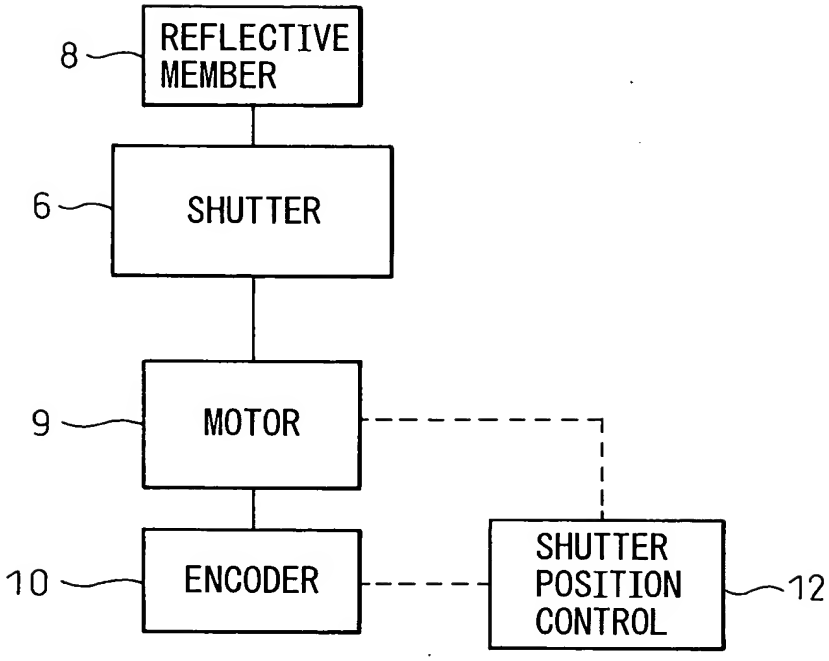
8
REFLECTIVE MEMBER
6
SHUTTER
9
MOTOR
10
ENCODER
SHUTTER POSITION CONTROL
12

Fig.2a

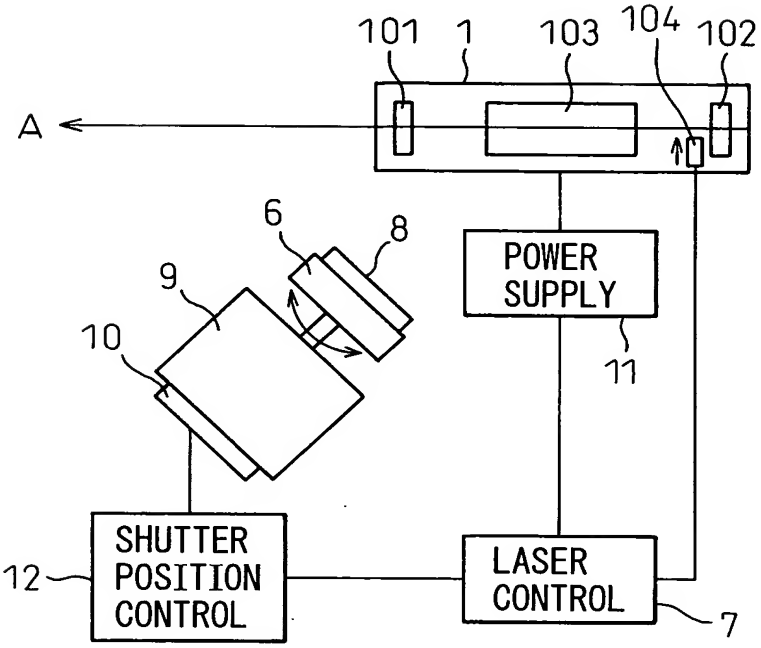
101
1
103
104
102
A
6
8
9
10
POWER SUPPLY
11
SHUTTER POSITION CONTROL
12
LASER CONTROL
7

Fig.2b

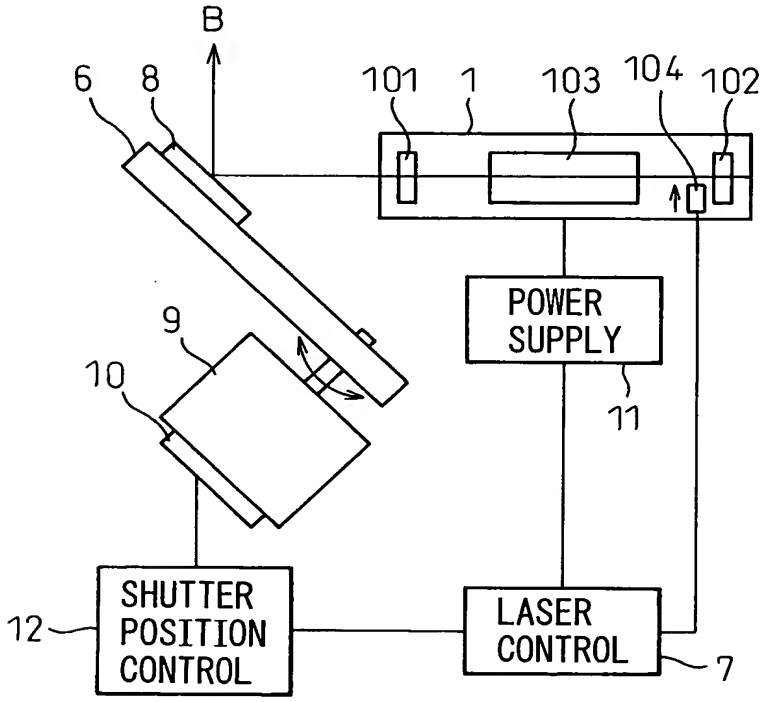
B
6
8
101
1
103
104
102
9
10
POWER SUPPLY
11
SHUTTER POSITION CONTROL
12
LASER CONTROL
7

Fig.3

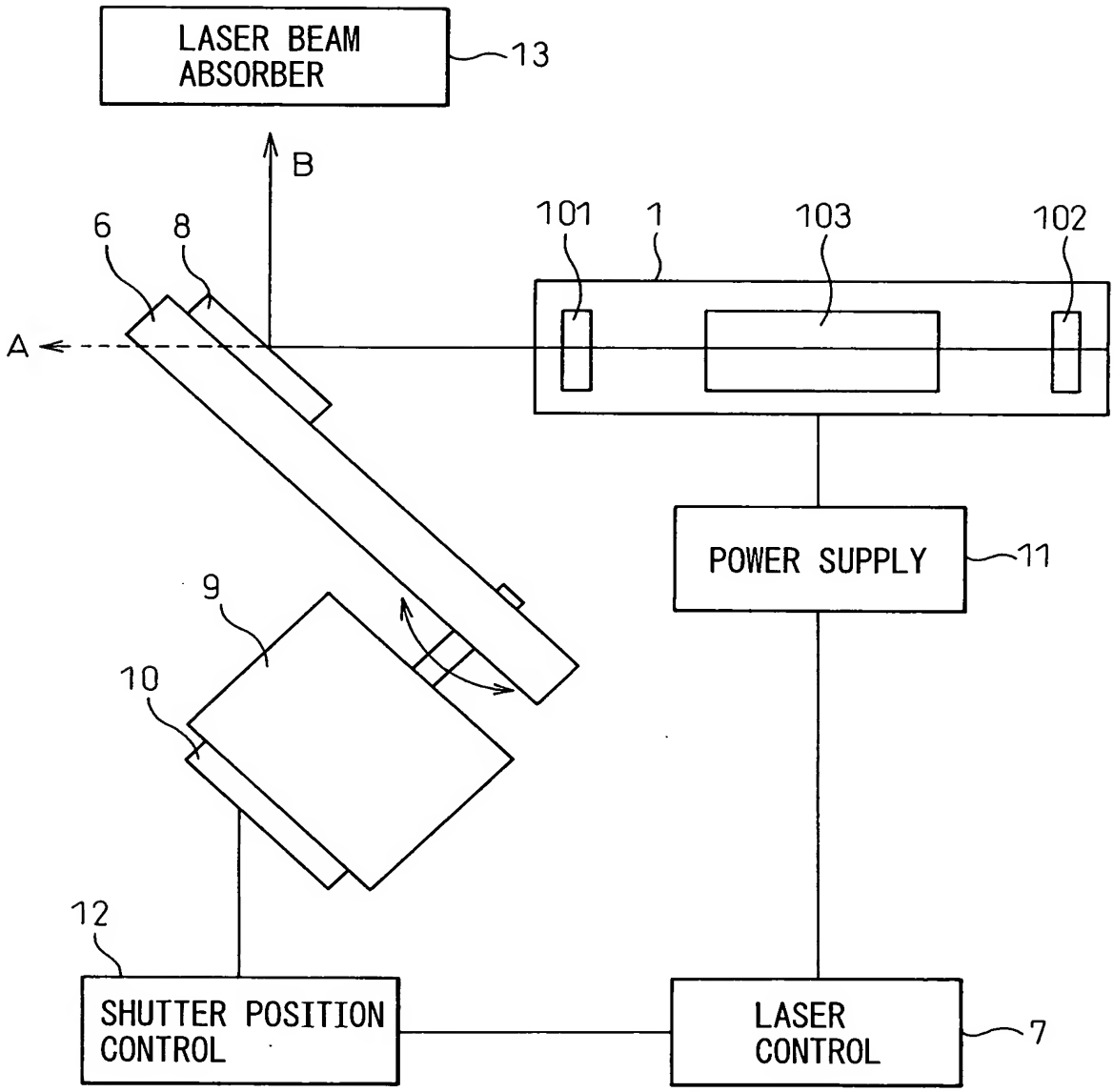
LASER BEAM ABSORBER
13
B
A
6
8
101
1
103
102
POWER SUPPLY
11
9
10
12
SHUTTER POSITION CONTROL
LASER CONTROL
7

Fig.4

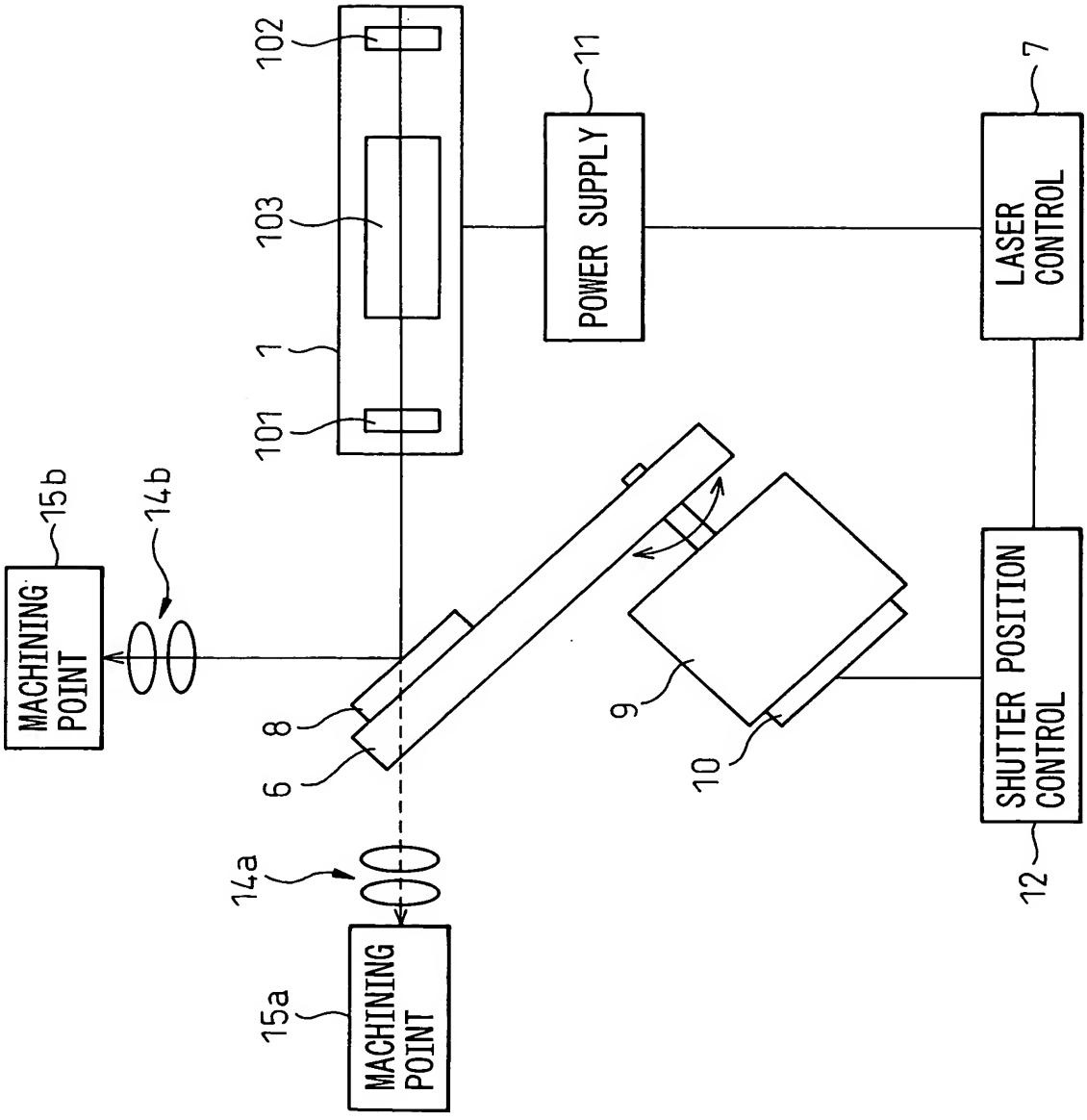
102
103
1
101
POWER SUPPLY
11
LASER CONTROL
7
15b
14b
MACHINING POINT
8
6
9
10
SHUTTER POSITION CONTROL
12
14a
15a
MACHINING POINT

Fig. 5

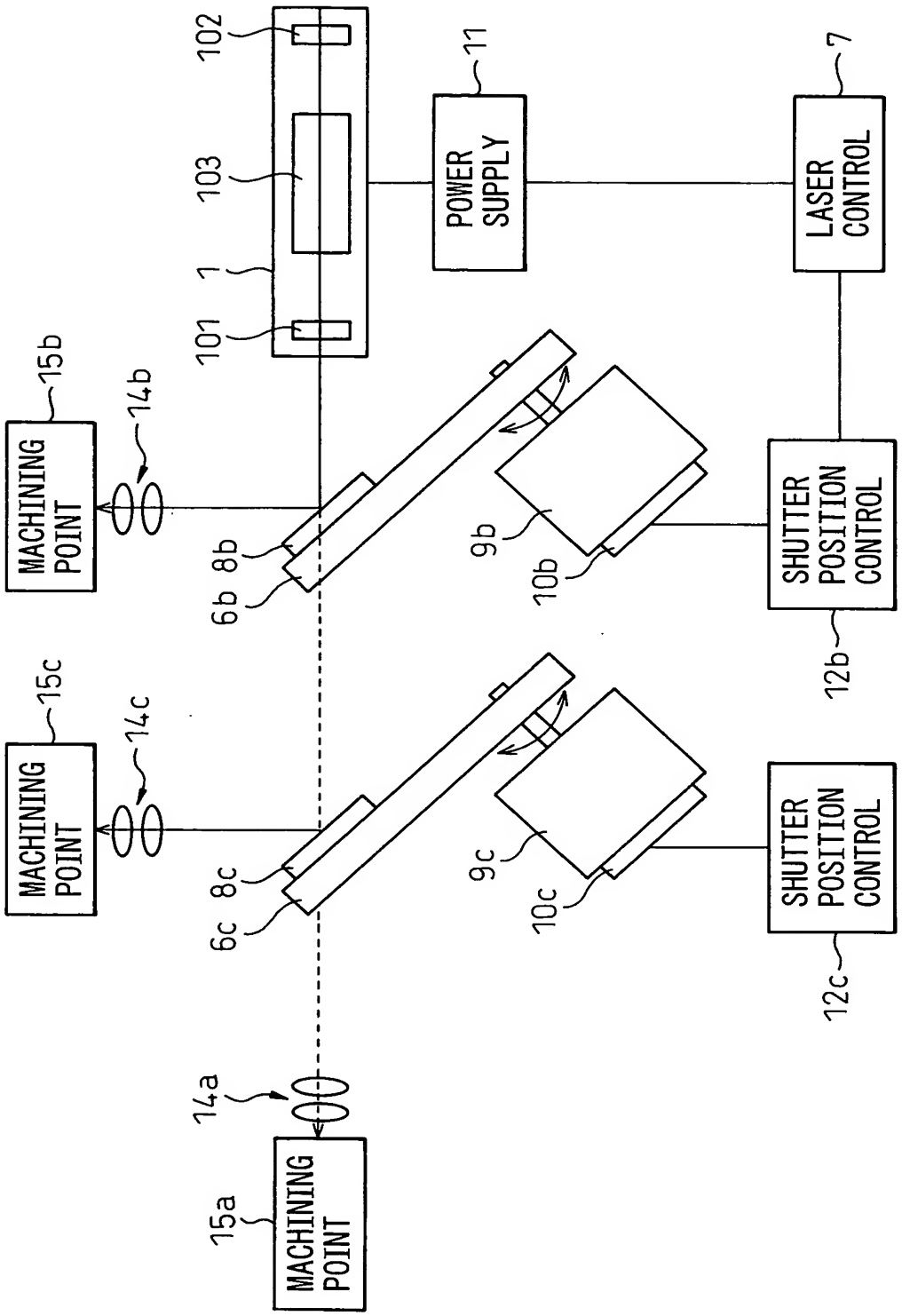
102
103
1
101
POWER SUPPLY
11
LASER CONTROL
7
15b
14b
MACHINING POINT
6b
8b
9b
10b
SHUTTER POSITION CONTROL
12b
15c
14c
MACHINING POINT
6c
8c
9c
10c
SHUTTER POSITION CONTROL
12c
14a
15a
MACHINING POINT

Fig.6

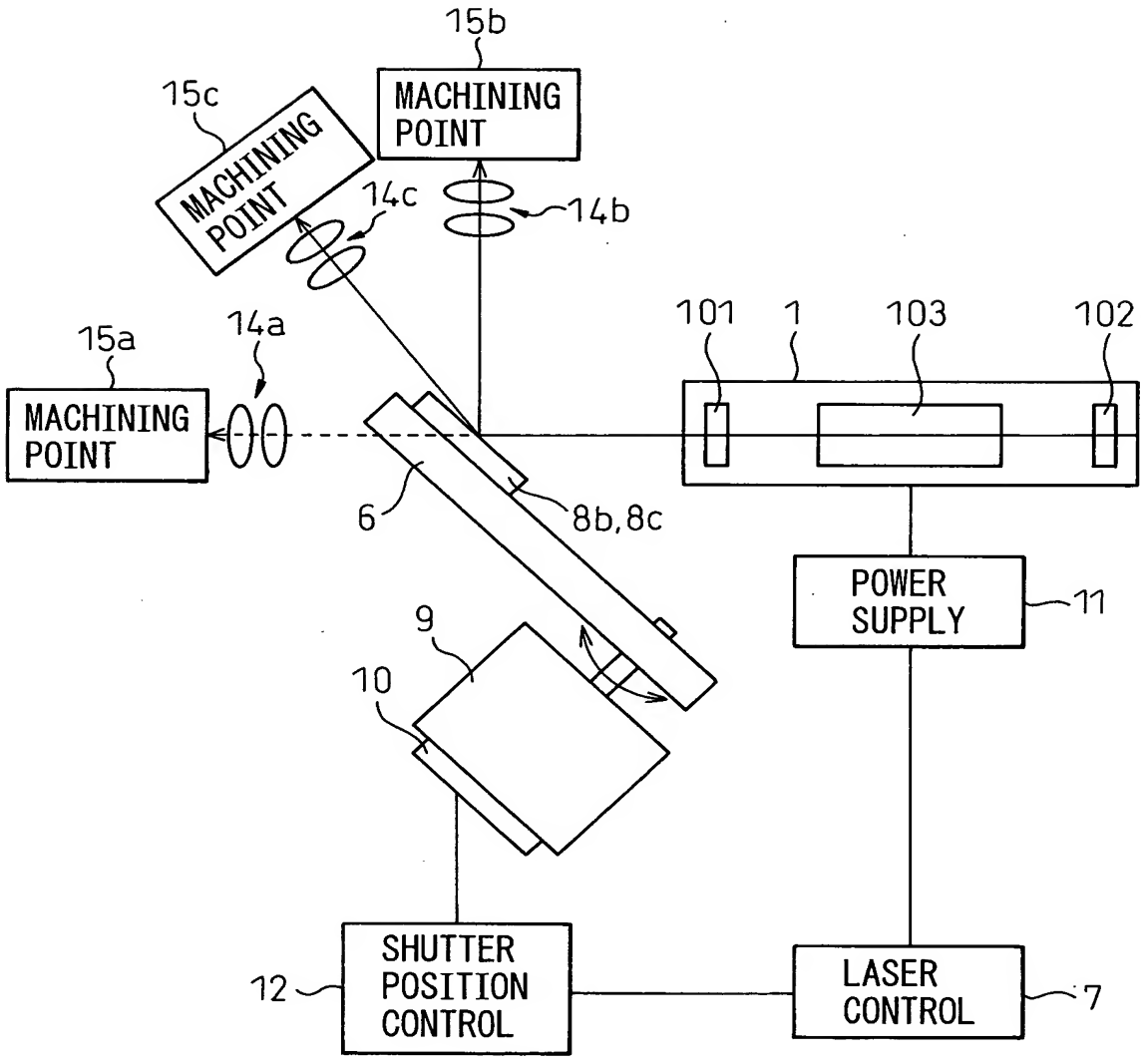
15b
MACHINING POINT
15c
MACHINING POINT
14c
14b
15a
14a
MACHINING POINT
101
1
103
102
6
8b,8c
POWER SUPPLY
11
9
10
12
SHUTTER POSITION CONTROL
LASER CONTROL
7

Fig.7a

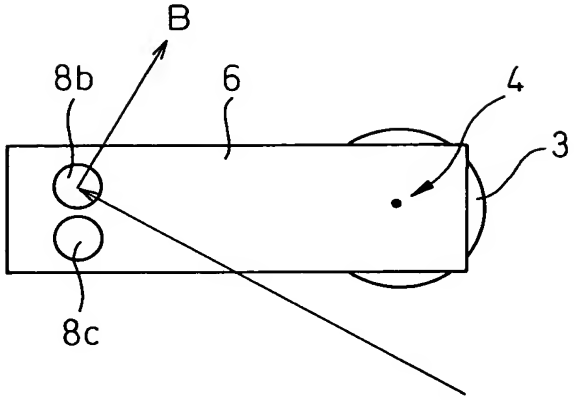

Fig.7b

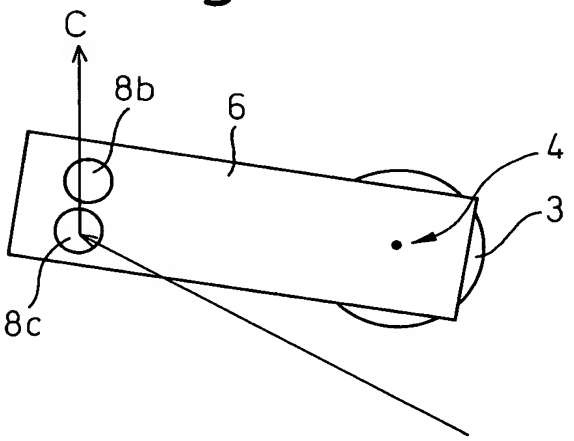

Fig.7c

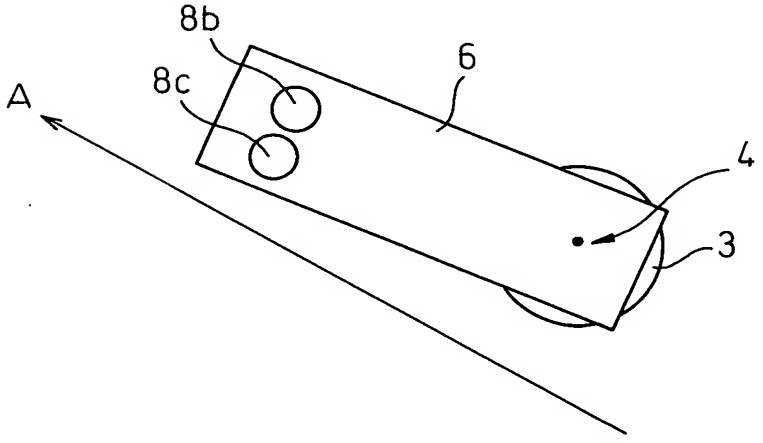

Fig.8

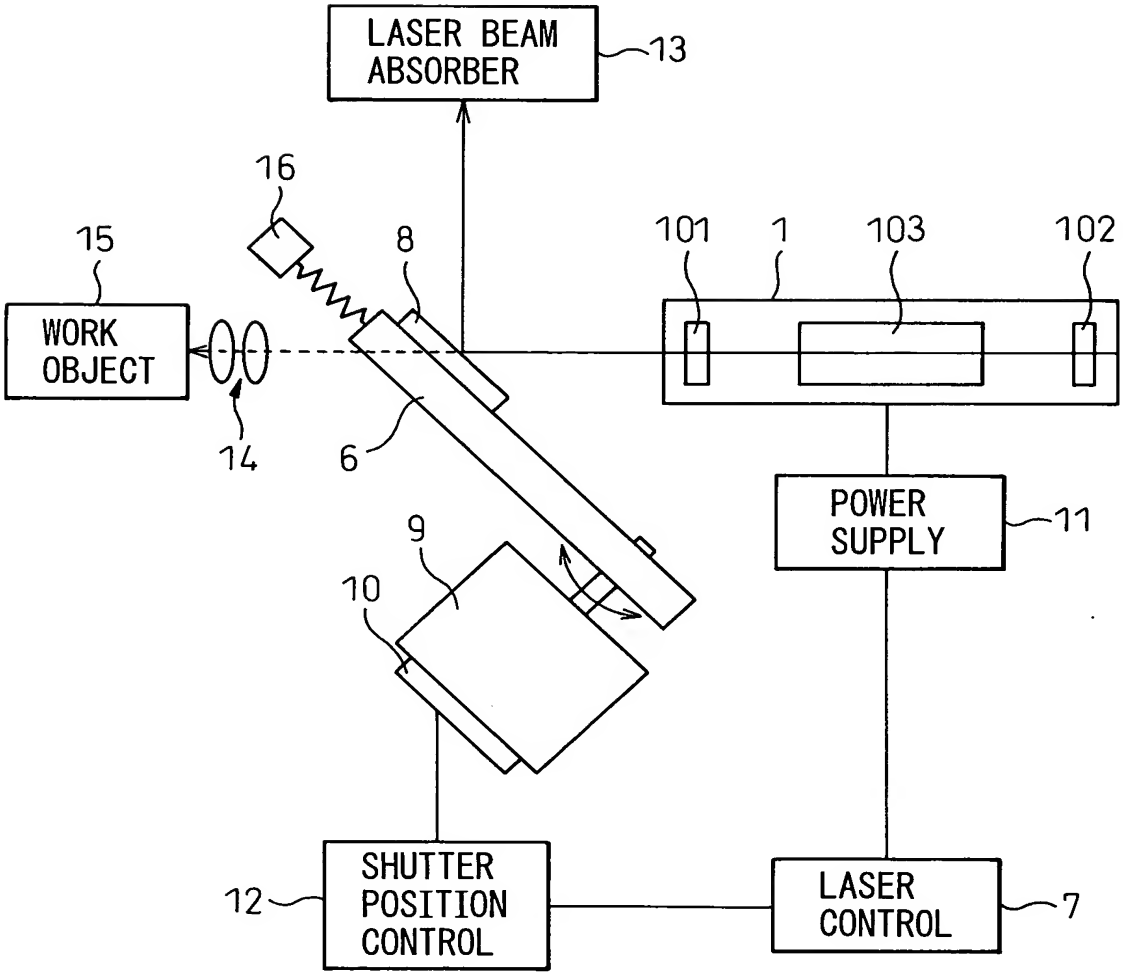
LASER BEAM ABSORBER
13
16
15
8
101
1
103
102
WORK OBJECT
14
6
POWER SUPPLY
11
9
10
SHUTTER POSITION CONTROL
12
LASER CONTROL
7

Fig.9a

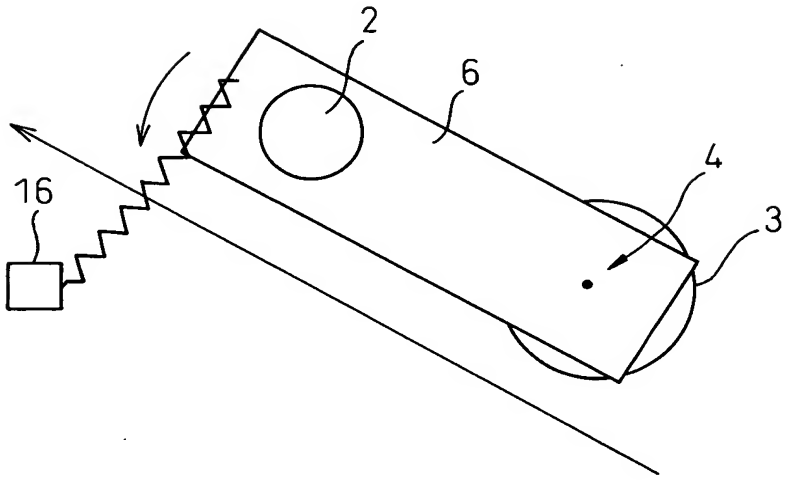

Fig.9b

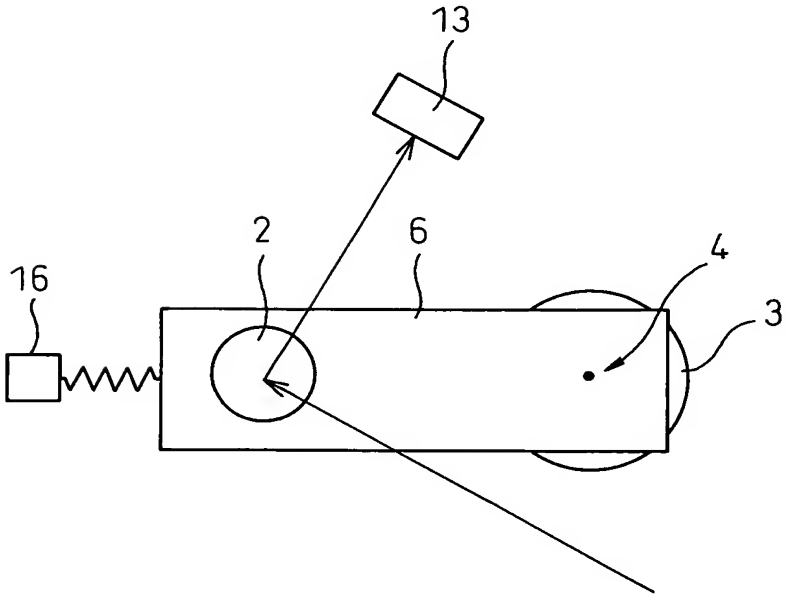

Fig.10
PRIOR ART

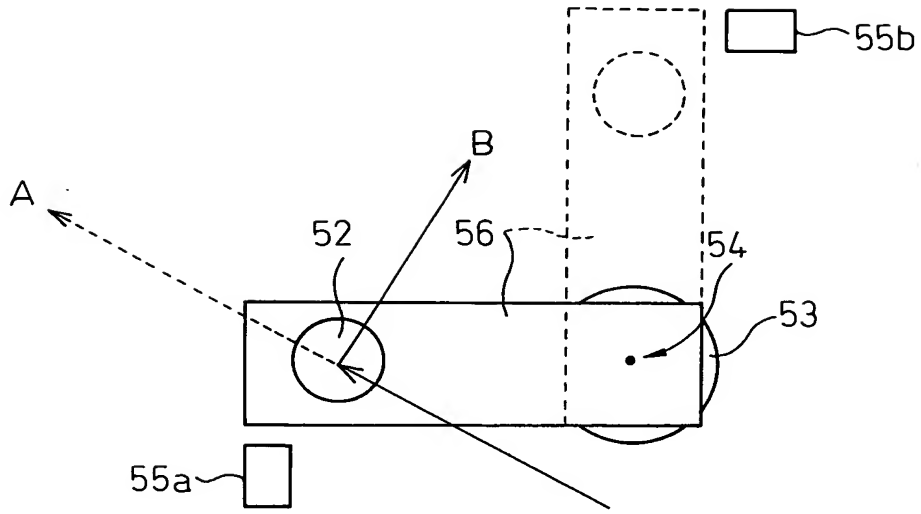
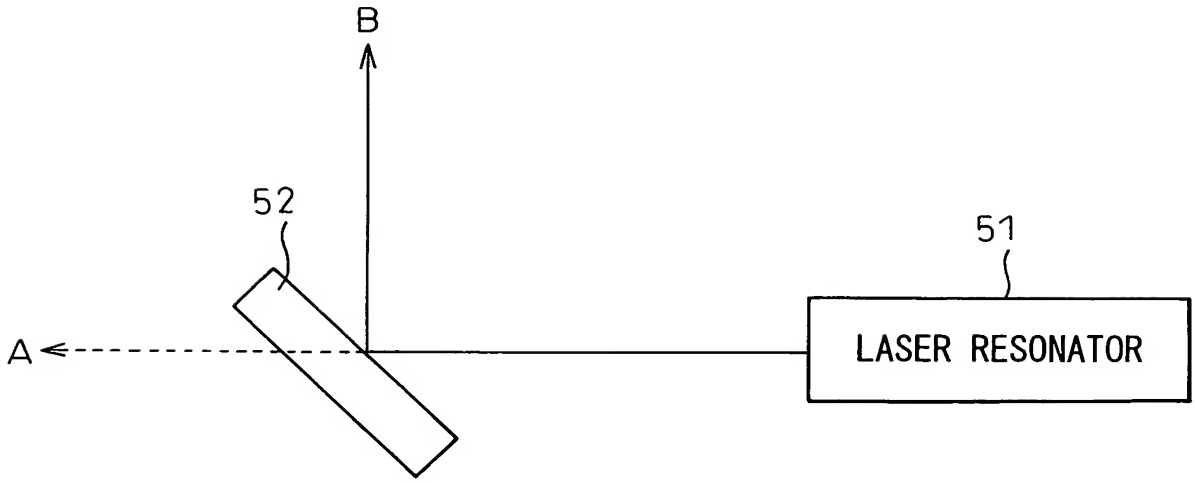
Fig.11
PRIOR ART